

Abstract

A friction roller type transmission includes a first roller (1) and a second roller (2) disposed on two shafts spaced in parallel away from each other so that the first roller (1) and the second roller (2), with the respective shafts being centered, do not contact each other, and a third roller (3) and a fourth roller (4) each of which contacts both of the first roller (1) and the second roller (2), and disposed between the first roller (1) and the second roller (2) and on the sides opposite to a line connecting a center of the first roller (1) and a center of the second roller (2), wherein an angle which is made by a tangential line between the first roller (1) and the third roller (3) (or the fourth roller (4)) and a tangential line between the second roller (2) and the third roller (3) (or the fourth roller (4)) is set not to exceed two times a frictional angle obtained from a coefficient of friction between the respective rollers, and a set load is applied to holding members (20a, 20b) for rotatably holding the third roller (3) or the fourth roller (4) so that the holder members (20a, 20b) are retained in set positions.